

Patent Claims

What is claimed is:

1. A method for the production of pressed ceramics in the field of dental technology, having the steps of producing a muffle, introducing the muffle into a ceramic press furnace, heating a ceramic pellet, and pressing a pressed ceramic object, characterized in that a free space (25), which is transparent to thermal radiation, is implemented in the floor region of the muffle (50).
2. The method according to Claim 1, characterized in that the free space (25) is implemented during the production of the muffle (50).
3. The method according to Claim 1 or 2, characterized in that the free space (25) is bordered by stand feet (24), which are particularly implemented in one piece with the muffle (50).
4. The method according to one of Claims 1 to 3, characterized in that the muffle (50) is placed centered on a press plate (B) of the ceramic press furnace.
5. A ceramic press furnace, particularly for performing the method according to one of Claims 1 to 4, characterized in that a thermal reflecting body (R) is integrated and/or inserted into the press plate (B) or the free space (25) is formed by designing the press plate (B) or a press plate inlay (C) having elevated stand feet (24).

6. The ceramic press furnace according to Claim 5, characterized in that the thermal reflecting body (R) has a conical shape.
7. The ceramic press furnace according to Claim 5 or 6, characterized in that a muffle (50) may be placed centered on the thermal reflecting body (R).
8. A muffle, particularly for performing the method according to Claim 1, characterized in that the muffle (50) has a free space (25) having multiple piles (24) in its floor region.
9. The muffle according to Claim 8, characterized in that a protrusion (E), particularly in the form of a central pin, is positioned neighboring at least one press ceramic object (40).
10. The muffle according to Claim 8 or 9, characterized in that the free space (25) in the floor region of the muffle (50) is implemented as vaulted.
11. The muffle according to Claim 9 or 10, characterized in that multiple protrusions (E) are implemented, particularly two or three.
12. The muffle according to Claim 8, characterized in that the free space (25) is formed by a pedestal (60) which may be laid below the muffle (50).